Rease type a plus sign (+) inside this box PTO/SB/21 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

5

Applicati n Number	09/888,309	
Filing Date	June 21, 2001	
First Named Inventor	Melissa K. Carpenter, et al.	
Group Art Unit	1632	
Examiner Name	Thaian N. Ton	
Attorney Docket Number	090/002	

	ENCLOSURES (che	eck all that apply)		
Fee Transmittal Form	Assignment Papers (for an Application)	After Allowance Communication to Group		
Fee Attached	Drawing(s)	Appeal Communication to Board of Appeals and Interferences		
Amendment / Reply	Licensing-related Papers	Appeal Communication to Group		
After Final	Petition			
Affidavits/declaration(s)	Petition to Convert to a Provisional Application	Proprietary Information Status Letter		
Extension of Time Request	Power of Attorney, Revocation Change of Correspondence Address	Other Enclosure(s) (please identify below):		
Figure Abandaniant Banuari	Terminal Disclaimer	Request for Corrected Filing Receipt w/		
Express Abandonment Request	Request for Refund	copy of Filing Receipt w/ changes marked in red (2 pages); copy of cover page of		
Information Disclosure Statement	CD, Number of CD(s)	application as filed (1 page); copy of 1st page of sequence listing as filed (1 page); return receipt postcard		
Certified Copy of Priority Document(s)	Remarks	Tetam receipt postcard		
Response to Missing Parts/ Incomplete Application				
Response to Missing Parts under 37 CFR 1.52 or 1.53				
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT				
Firm or J. Michael Schiff, Registration No. 40,253 Individual name				
Signature				
Date Hauch 19, 2002				
CERTIFICATE OF MAILING				
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: March 20, 2002				
Typed or printed name	Karen Mak			
Signature	Makaushy 1	Date March <u>20,</u> 2002		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will very depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Patent

Attorney Docket No.: 090/002



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Melissa K. Carpenter, et al.

Serial No.: 09/888,309

Filed: June 21, 2001

For: DOPAMINERGIC NEURONS OBTAINED

FROM HUMAN EMBRYONIC STEM

CELLS

Examiner: Thaian N. Ton

Art Unit: 1632

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on March 2 2002.

Ву _____

Karen Makausky

Assistant Commissioner for Patents Office of Initial Patent Examination Customer Service Center Washington, D.C. 20231

RECEIVED

APR 1 0 2002

REQUEST FOR CORRECTED FILING RECEIPT

TECH CENTER 1600/2900

Dear Sir:

Enclosed is a copy of the Filing Receipt marked in red to show the corrections that are needed. The corrections are as follows:

Please correct the priority information to read:

This application claims priority to the following U.S. provisional patent applications: USSN 60/213,740, filed June 22, 2000; USSN 60/213,739, filed June 22, 2000; USSN 60/216,387, filed July 7, 2000; and USSN 60/220,064, filed July 21, 2000.

A copy of the cover page of the application as filed is enclosed which contains this priority information.

Issuance of a corrected Filing Receipt is respectfully requested.

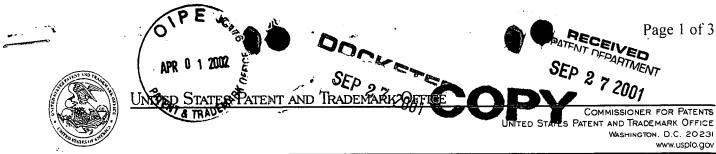
Respectfully submitted,

GERON CORPORATION 230 Constitution Drive Menlo Park, CA 94025 Telephone: (650) 473-7715

Fax: (650) 473-8654 March 12, 2002 J. Michael Schiff Registration No. 40,253

Registration 110. 10,235

Page 1 of 1



IND CLAIMS GRP ART UNIT FIL FEE REC'D ATTY.DOCKET.NO DRAWINGS **TOT CLAIMS** APPLICATION NUMBER FILING DATE 1645 373 090/002 22 09/888,309 06/21/2001

CONFIRMATION NO. 9525

Page 1 of 3

www.uspto.gov

√ 022869 GERON CORPORATION 230 CONSTITUTION DRIVE MENLO PARK, CA 94025

FILING RECEIPT **≠**QC000000006580658* HECEIVE

APR 1 0 2002

Date Mailed: 09/20/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Melissa K. Carpenter, Castro Valley, CA; Walter D. Funk, Hayward, CA; USSN 60/213,740-22 June 2000

R. Scott Thies, Pleasanton, CA;

Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/213,739 06/22/2000 AND CLAIMS BENEFIT OF 60/216,387 07/07/2000 AND CLAIMS BENEFIT OF 60/220,064 07/21/2000

Foreign Applications

If Required, Foreign Filing License Granted 09/19/2001

Projected Publication Date: 12/27/2001

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

Direct differentiation of human pluripotent stem cells and characterization of differentiated cells

Preliminary Class



UTILITY PATENT APPLICATION

Title:

DIRECT DIFFERENTIATION OF HUMAN PLURIPOTENT STEM CELLS AND CHARACTERIZATION OF DIFFERENTIATED CELLS

Filing Information:

Date: June 21, 2001

Express Mail No. EF 279208464 US

Attorney Docket: 090/002

Inventors:

Melissa K. Carpenter Castro Valley, CA

Walter D. Funk Hayward, CA

R. Scott Thies Pleasanton, CA RECEIVED

APR 1 0 2002

TECH CENTER 1600/2900

Correspondence:

J. Michael Schiff

Registration No. 40,253

Geron Corporation 230 Constitution Drive Menlo Park, CA 94025

U.S.A.

Phone: (650) 473-7700 Fax: (650) 473-8654

USPTO Customer No. 022869

Priority

This application claims priority to the following U.S. provisional patent applications: USSN 60/213,740, filed June 22, 2000; USSN 60/213,739, filed June 22, 2000; USSN 60/216,387, filed July 7, 2000; and USSN 60/220,064, filed July 21, 2000.



SEQUENCE LISTING



<110>	Carpenter, Melissa	K.
	Funk, Walter D.	
	Thies. R. Scott	

- <120> Direct Differentiation of Human Pluripotent Stem Cells
- <130> 090-002c
- <140> [to be assigned]
- <141> [herewith]
- US 60/213,740 <150>
- 2001-06-22 <151>
- <150> US 60/213,739
- <151> 2001-06-22
- <150> US 60/216,387
- <151> 2001-07-07
- <150> US 60/220,064
- <151> 2001-07-21
- <160> 4
- <170> PatentIn version 3.0
- <210> 1
- <211> 25
- <212> DNA
- <213> Artificial
- <220>
- <223> primer
- <400> 1
- cttgctgcag aagtgggtgg aggaa
- <210> 2 <211> 21
- <212> DNA
- <213> Artificial
- <220>
- <223> primer
- <400> 2
- ctgcagtgtg ggtttcgggc a
- <210> 3
- <211> 20
- <212> DNA
- <213> Artificial
- <220>
- <223> primer
- <400> 3
- cggaagagtg tctggagcaa
- <210> 4
- <211> 19
- <212> DNA
- <213> Artificial
- <220>
- <223> primer

RECEIVED
APR 1 0 2002

TECH CENTER 1600/2900

21

20